

ABSTRACT

A non-pressurized liquid supply system is provided for supplying a liquid, such as water, to a plurality of liquid treatment units. Pipes in an outflow stage split liquid flow from an inflow stage, possibly via at least one intermediate stage. The inflow stage and outflow stage have substantially equivalent cross-sectional areas, and the outflow stage has at least two pipes in order to split the flow to the plurality of liquid treatment units in order to achieve more effective treatment of the liquid. The inflow stage and outflow stage co-operate to maintain substantially constant liquid flow throughout the non-pressurized liquid supply system. The system preferably includes a flow-splitting horizontal manifold. The non-pressurized liquid supply system can be, for example, a drainwater system, a waste water system, or a chemical process system.